RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

| Application Serial Number: | 101534953 |
|----------------------------|-----------|
| Source: | PCT |
| Date Processed by STIC: | 5735 |

ENTERED



 ${ t PCT}$

RAW SEQUENCE LISTING DATE: 05/23/2005
PATENT APPLICATION: US/10/534,953 TIME: 13:49:21

Input Set : A:\5051-620.ST25.txt

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3 <110> APPLICANT: North Carolina State University
             Miller, William L.
      6 <120> TITLE OF INVENTION: INCREASING GAMETE PRODUCTION WITH A GENE SWITCH
      8 <130> FILE REFERENCE: 5051-620
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/534,953
C--> 10 <141> CURRENT FILING DATE: 2005-05-16
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     17 <213> ORGANISM: Ovis aries
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     21 <223> OTHER INFORMATION: Sheep FSHbeta LCR
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                                                                              240
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     33 gagcaagtcg agatatgagc acaaaggtac ttccctggtg gtctagtagt tatgaatctg
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                                                                              480
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TIME: 13:49:21

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PATENT APPLICATION: US/10/534,953

Input Set : A:\5051-620.ST25.txt

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| 88 <212> TYPE: DNA | |
| 89 <213> ORGANISM: Ovis aries | |
| 91 <220> FEATURE: | |
| 92 <221> NAME/KEY: misc_feature | |
| 93 <223> OTHER INFORMATION: Sheep FSHbeta LCR + Promoter | |
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| 101 tattatattg gttttaccat acatcaacat atatattaaa cattttttta aattttacat | 240 |
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| 105 gagcaagtcg agatatgagc acaaaggtac ttccctggtg gtctagtagt tatgaatctg | 360 |
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| 121 ggatgeteac acagttgtgg acactggtte accagaatte acgagagaag tetgetgete | 780 |
| 123 office against cast of gate taken a contract of the contra | 840 |
| 125 aaacaaagca ctggaaagag qatcgaatat tgaatatctt agatgaadag dagagadatg | 900 |
| 127 tatotoaggo tottatitit otticaagia agagagaaaa aaatacaca gacceeggaa | 960 |
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| 131 cattttatta aatattaagt caatattagg atactaaaat aatagggcta gaaataaaga | 1080 |
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| 135 gagggaattt atccagggaa tgcattgtcc aagtgttaga attacagaga daccagagag | 1200 |
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| 143 ctcggagaaa atgcagctac taaccagaaa agaaaaatgt adayggccca ggcccgacce | 1440 |
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| 140 aggagagaga aggaagaga aggaatggat caggtaggaa acaggitatg gaccagcaga | 1620 |
| 151 gogttaaggg aaactatgag tgatttgtgt ttcaatttgt tcaacaaaag tgaatttgtg | 1680 |
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| 163 tgtcaccaca tctccctatc accatcatct gtctgcacca cacctcccta cccagcagca | 2040 |
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| 169 atttgcacca ccatacaaac aagcagttat ttctcccatc ttaaaacata aaaatgaaaa | 2220 |
| 171 gaaaattate tttaceccae ttecaatgta teacetgett tteteeteat etttgaatea | 2280 |
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| | |



TIME: 13:49:21



PATENT APPLICATION: US/10/534,953

Input Set : $A:\5051-620.ST25.txt$

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| | | aaatttaatt | | | | | 4200 |
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| | | ttgtaggaat | | | | | 240 |
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TIME: 13:49:21



RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/534,953

Input Set : A:\5051-620.ST25.txt

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| 273 | gtaactactg | acgtgagaat | ttaacatagg | acctccttaa | ataatgttca | acattttgtt | 600 | |
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| 279 | gtcagaggat | atttaatctg | gggaatgcat | tacctaagtt | ttagaattgt | tgagaagcca | 780 | |
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| 283 | attagagaga | cacaaatgag | gttcctggag | ccaaaaggtg | agaccaccca | gcagaagctc | 900 | |
| 285 | aagccacatg | tggagtttcc | tcacaaaagc | tgggaacact | gagggaggag | ctgtctgatg | 960 | |
| 287 | caacctggac | caagggagaa | agtgcagcta | ctgacaagga | aagaatgtaa | aggagagaca | 1020 | |
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| 309 | ataacttttg | tgagagcagt | aacatctaac | ttggaaatac | acttatcaga | taaactagac | 1680 | |
| 311 | tataagaggc | ttgacattgt | gagaaaggtc | tggggcctcg | tgataggtca | aggaaaataa | 1740 | |
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| | 6 <221> NAME/KEY: misc_feature 7 <223> OTHER INFORMATION: Pig FSHbeta LCR + Promoter | | | | | | | |
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| 333 | ggtagatact | gggaattaag | gaaacaatag | adagtactgg | attgagaatg | atacaggaac | 180 | |
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| 337 | gtagaagtgt | ttgtaggaat | agctcagatg | aaaaggagac | gaaaaaggta | tangatttt | 300 | |
| 339 | aaggaatagc | ctgattttca | gaggtgggaa | ggtgetteaa | gecaatgaag | agataagata | 360 | |
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| 353 | aaatgggtat | Lateagreae | cttctaacca | yyaaaacaga | ttagaattat | gataagagaa | 780 | |
| 355 | gcagaggat | atttaatetg | gggaatgcat | naggetaget | acctoccato | tgagaagcca | 840 | |
| 357 | gacaggaaat | aaggaaaccc | addadtcagt | aaccatggga | agecedeate | taccctcagg | 900 | |
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TIME: 13:49:21



RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/534,953

Input Set : A:\5051-620.ST25.txt

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| 363 | caacetggac | ttattattat | tttcactctc | taatctcctt | ccacagagac | aaaaqqctqc | 1080 |
| 365 | tactccaacc | gggtaagaa | agtagectae | agaggtccct | tctcccaaaa | atcagagagc | 1140 |
| 367 | tgacacagca | geetaagaaa | astatataa | atagcaaaca | ggctatggac | aaqcacaaca | 1200 |
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| 417 | attaaattag | gcaaaaaaaa | adadadada | aaaatcatgt | ggcaatttta | ctacctatac | 2700 |
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| 437 | tgtttttt | ctcatcilig | tattaaaact | cctttaccac | agccacagta | atgccggacc | 3300 |
| 439 | taatggtcac | accigigged | . cacaggaget | atogoaatoo | ggateettae | tccactgaga | 3360 |
| 441 | caagttgcat | ctgcaactga | tataataaa | . acggcaacgc | tagattetta | acttgctgag | 3420 |
| 443 | gaggccaggg | attgaatta | tattettat | testteett | ccaatcacto | agtctgctct | 3480 |
| 445 | ccaaatgtga | actecteaat | , coccicional | atattaattt | ctaatatata | agtctgctct gcaaagtgat | 3540 |
| 447 | tttattgaat | catagotgat | . clacaalygi | . acyclaycu | gacagtttat | cacaggatat | 3600 |
| 449 | tcagttatac | atacatatta | taggaggatt | · ttatttatat | atcctatata | taatagtggt | 3660 |
| 451 | tgaatatagt | tgcgatacag | , Laggaccatt | , cogectate | r cccttaacaa | ctacaagtct | 3720 |
| 453 | taatcccaaa | gtcccaatcc | : dadCCdLCCC | · caccocccc | - atatrataat | ctacaagtct | 3780 |
| 455 | gttctccate | tetgtgagte | : cgcctccgt(| · ttatatttat | - gagttacct | ttagattcca cacttagtatg | 3840 |
| 457 | catataatt | j taatcatate | guarrigue | | | | |
| | | | | | | | |



VERIFICATION SUMMARY

PATENT APPLICATION: US/10/534,953

DATE: 05/23/2005 TIME: 13:49:22

Input Set : A:\5051-620.ST25.txt

Output Set: N:\CRF4\05232005\J534953.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date